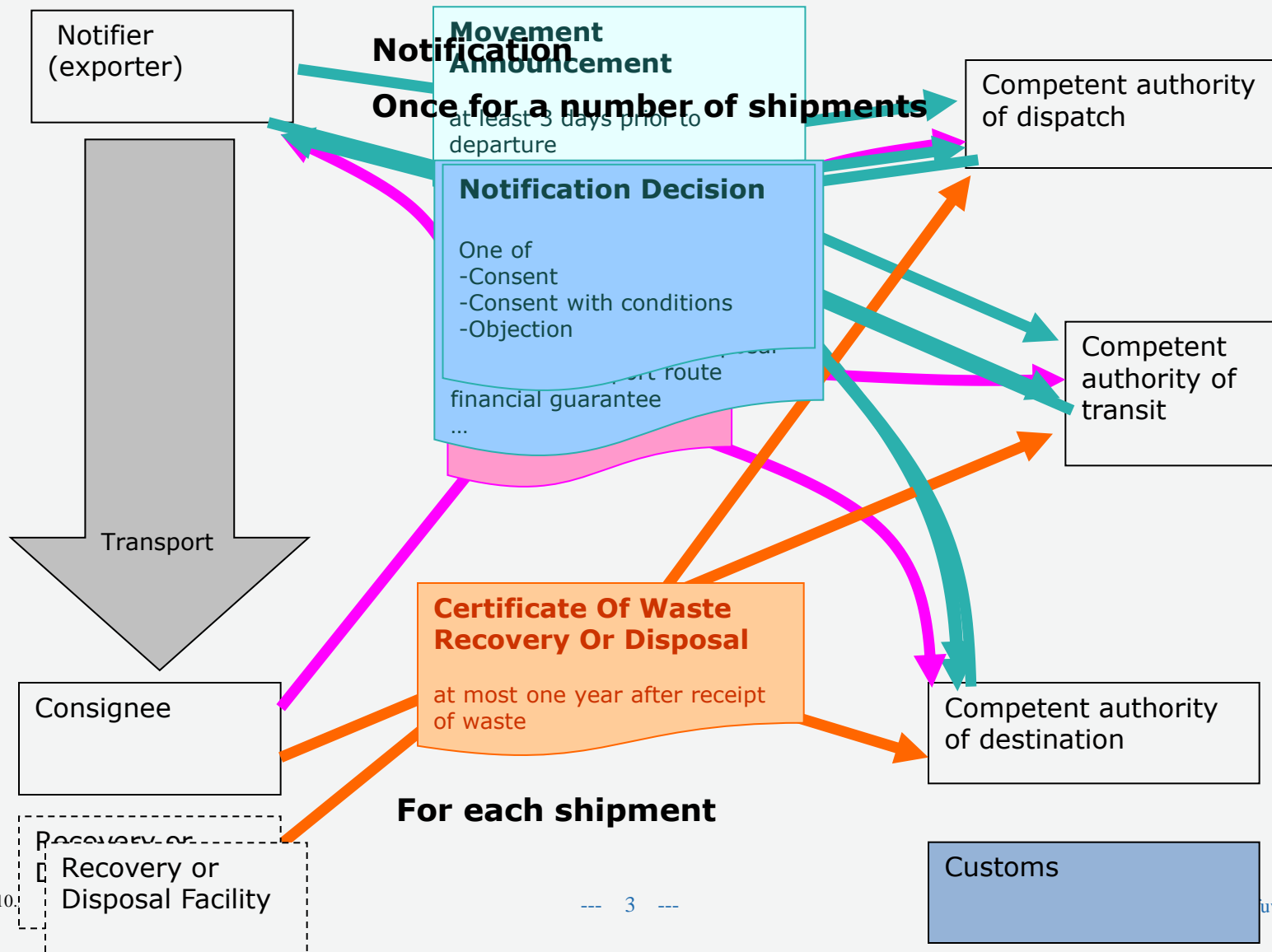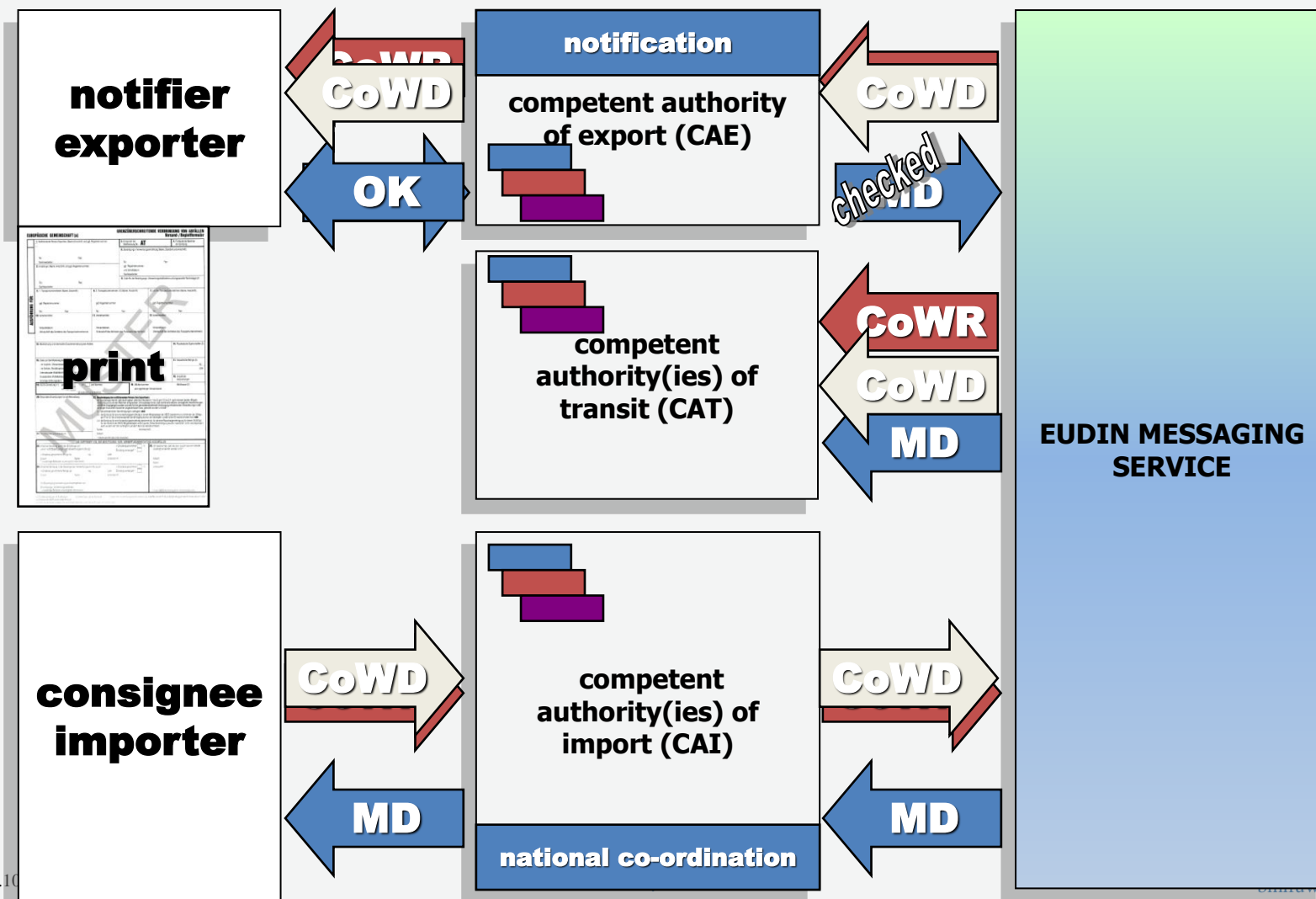# EUDIN MESSAGING SERVICE

MINISTERIUM
FÜR EIN
LEBENSWERTES
ÖSTERREICH

EUDIN MESSAGING SERVICE

- Web service currently operated at the Austrian Environmental Agency

- Functionality: „Post box" for the (electronic, structured) exchange of waste shipment data

REGULATORY PROCEDURES REVISITED

Eudin

MINISTERIUM
FÜR EIN
LEBENSWERTES
ÖSTERREICH

Notifier (exporter)

Notification

Once for a number of shipments

Movement Announcement
at least 3 days prior to departure

Notification Decision

One of
-Consent
-Consent with conditions
-Objection

...port route
financial guarantee
...

Transport

Competent authority of dispatch

Competent authority of transit

Certificate Of Waste Recovery Or Disposal

at most one year after receipt of waste

Consignee

Competent authority of destination

For each shipment

Recovery or Disposal Facility

Customs

18.10.

--- 3 ---

uw.gv.at

EUDIN MESSAGING SERVICE

- Web service description, codelists published at www.eudin.org (under „publications")
- Common set of web service operations for all types of waste shipment data (notification, movement announcement, …):
    - ShareDocument
    - QueryUpdate
    - RetrieveDocument
    - …

EUDIN MESSAGING SERVICE

- Web service description, codelists published at www.eudin.org (under „publications")
- Common set of web service operations for all types of waste shipment data (notification, movement announcement, …):
    – ShareDocument
    – QueryUpdate
    – RetrieveDocument
    – …

EUDIN MESSAGING SERVICE ACCEPTANCE / REJECTION

Acceptance / Rejection of exchanged documents and data to be distinguished:

- „Technically Accepted": Recipient can retrieve/read sent data
  - automatically checked by software
  - never checked by users
- „Contents Accepted": Contents have been deemed suitable/ complete/correct for the (regulatory) process
  - checks <u>can</u> be <u>supported</u> by automated validation
  - result of automated validation <u>can</u> be automatic rejection / request for correction
    - Process of rejection / request for correction does however require human interaction between recipient and sender

Principle:

- Messages technically accepted by Messaging Service have to be technically accepted by IT solution receiving/retrieving data
- Scalability: „if my IT solution works with the EUDIN messaging service, it works with any of the connected IT solutions"

So far exchange of structured data on automated content validation results not covered in Messaging Servic

EUDIN MESSAGING SERVICE ACCEPTANCE / REJECTION

So far structured results from automated content validation cannot be exchanged via the EUDIN Messaging Service

A feature to be added if there is demand

Technical acceptance rules are intentionally soft/permissive/lax, in order to support the exchange of incomplete documents

In cases where there's consensus among EUDIN participants, technical acceptance rules can become stricter

BE PREPARED FOR CHANGES IN CODELISTS

- There are 47 codelists in use in the EUDIN formats
  - types of waste, packagings, hazard classes, countries, …
  - currently provided by EUDIN in English and German, additional languages to be added on demand
- None of them are „hard-wired" into the data formats and the EUDIN messaging service

- We need to be prepared for changes in codelists
  - Changes in legislation, affecting e.g. waste classification
  - Countries entering or exiting the EU
  - …

- Software solutions particiapting in the EUDIN data exchange should NOT require recompilation, redistribution or redeploy when codelists change
- Federation of changes in codelists is made simple for EUDIN
  - Codelists are available in a standardised structured format (Genericode)
  - A web service for retrieving codelists, including updates, is available

INTEGRATION OF AUSTRIAN EDM WITH EUDIN

- EDM (Electronic Data Management) is an IT solution supporting various environmental management processes, including shipments of waste
- Exchange of individual shipment data via the EUDIN messaging service is implemented in EDM
- Exchange of notification data via the EUDIN messaging service is not yet implemented in EDM
    - as so far there were no (test) partners to exchange notification data with
    - to be implemented when required
    - as long as not yet implemented, we need to individually make sure that relevant notifications are available in the system prior to exchanging movement announcements, confirmations of waste receipt, recovery or disposal

BUSINESS RULES

- Legislation leaves room for interpretation regarding details of the regulatory processes, such as handling a case where an announced movement is postponed

- EUDIN group agreed on business rules on handling such cases – see Business Procedures document

- List of business rules to be extended as needed

TASKS & OUTLOOK STANDARDISATION

UN/CEFACT:

- Extend UN/CEFACT TMW messages to cover more content, such as waste laboratory analysis results
- Can be seen as moving data from (notification) attachments into messages, from unstructured to structured

CEN/DIN:

- Establish European CEN standard
- Can provide additional backing of global UN/CEFACT standard within EU

MINISTERIUM
FÜR EIN
LEBENSWERTES
ÖSTERREICH

TASKS & OUTLOOK
EUDIN INTEGRATION

1. Test data exchange Switzerland ↔ Austria

2. Extend Austrian EDM to support exchange of notification data

3. Upon completion of tests, provide a productive instance of the EUDIN web service

timeframes and details to be discussed

TASKS & OUTLOOK
FURTHER TASKS, NEXT STEPS

to be discussed